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1. The Central Research Department, part of the Czechoslovakian Metalworking and Engineering Industry, is located in the building of the former Mikrofona Plant in Prague-Stranice. One of the units of the Central Research Department is the Research Department for Tube Development, located in the former Prasek Non-ferrous Metals Plant building at 54 Podebradska in Prague-Hloubetin. The Central Research Department is under the control of the Tesla National Corporation in Prague.

2. The Research Department was established in 1947 to prepare all data and designs for the mass production of new types of electronic tubes. Half of the investment and operating expenses were paid by Tesla, half by the Department of National Defense. Primary efforts were aimed at the development of electronic tube 6 F 24 for the USSR. Work has also been done in the development of a pulse tetrode, clystron, magnetron, miniature tubes and an L G 10 electronic tube.

3. The manager of the Research Department for Tube Development is 25X1 Engineer Jan Vana [redacted] There are about 80 men employed in the department including 12 graduate engineers and a number of experts in the field of high frequency with technical school training. Other employees include precision mechanics, glass 25X1 blowers, and expert grid winders.

4. [redacted]

This document is hereby regraded to CONFIDENTIAL in accordance with the letter of 16 October 1978 from the Director of Central Intelligence to the Archivist of the United States.
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5. The Research Department for Tube Development is organized into three sections: calculation and design, electricity, and chemistry. The chemistry section has good equipment including one Zeiss Spectograph Ou 24 which was formerly in the Lorenz Plant in Hohenelbe, and one polarograph. In addition to analytical tests made especially on tungsten, nickel and molybdenum and their alloys, the chemistry section is employed in the development of a cathode paste for coating nickel cathodes of the electronic tubes, and an insulation paste similar to Nortens Alundum, which can be brushed on the tungsten filaments of the tubes.

6. The raw materials used by the chemistry section are obtained from plants in Kaznejov (N 50/L 05), Benatky nad Jizerou (O 51/G 01), and Aussig (N 51/F 44). Other materials needed in the development program of the section were originally obtained from the Netherlands and the USA. Reproduction of these materials by the Research Department has proved very difficult. Molybdenum and tungsten filaments, especially in the range of from 10 to 30 microns, are in very short supply as are pure nickel cathodes. These items were formerly supplied by Switzerland and the USA. At present they are imported from Hungary and are of very inferior quality.

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